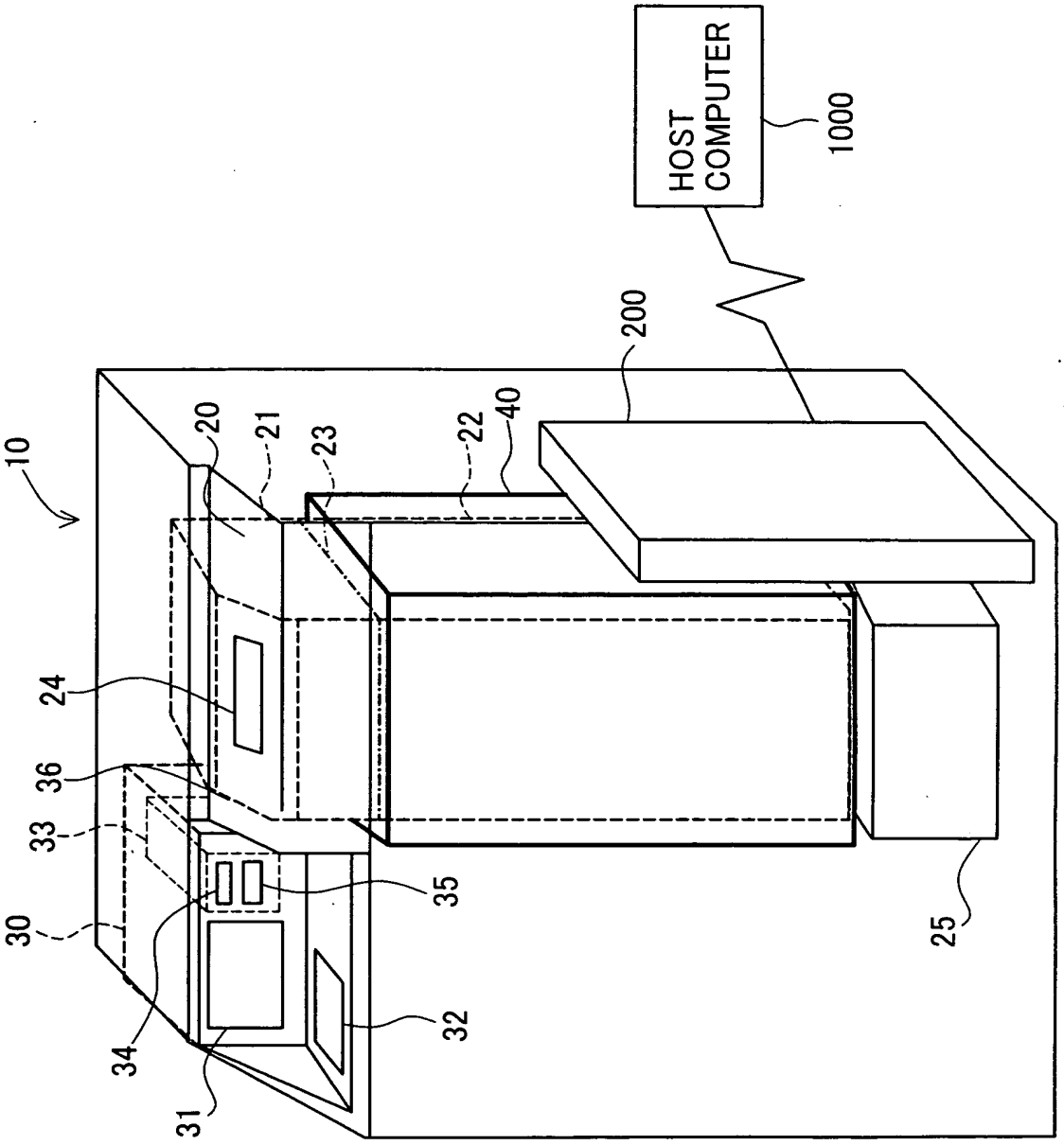


Fig.1

Fig.2

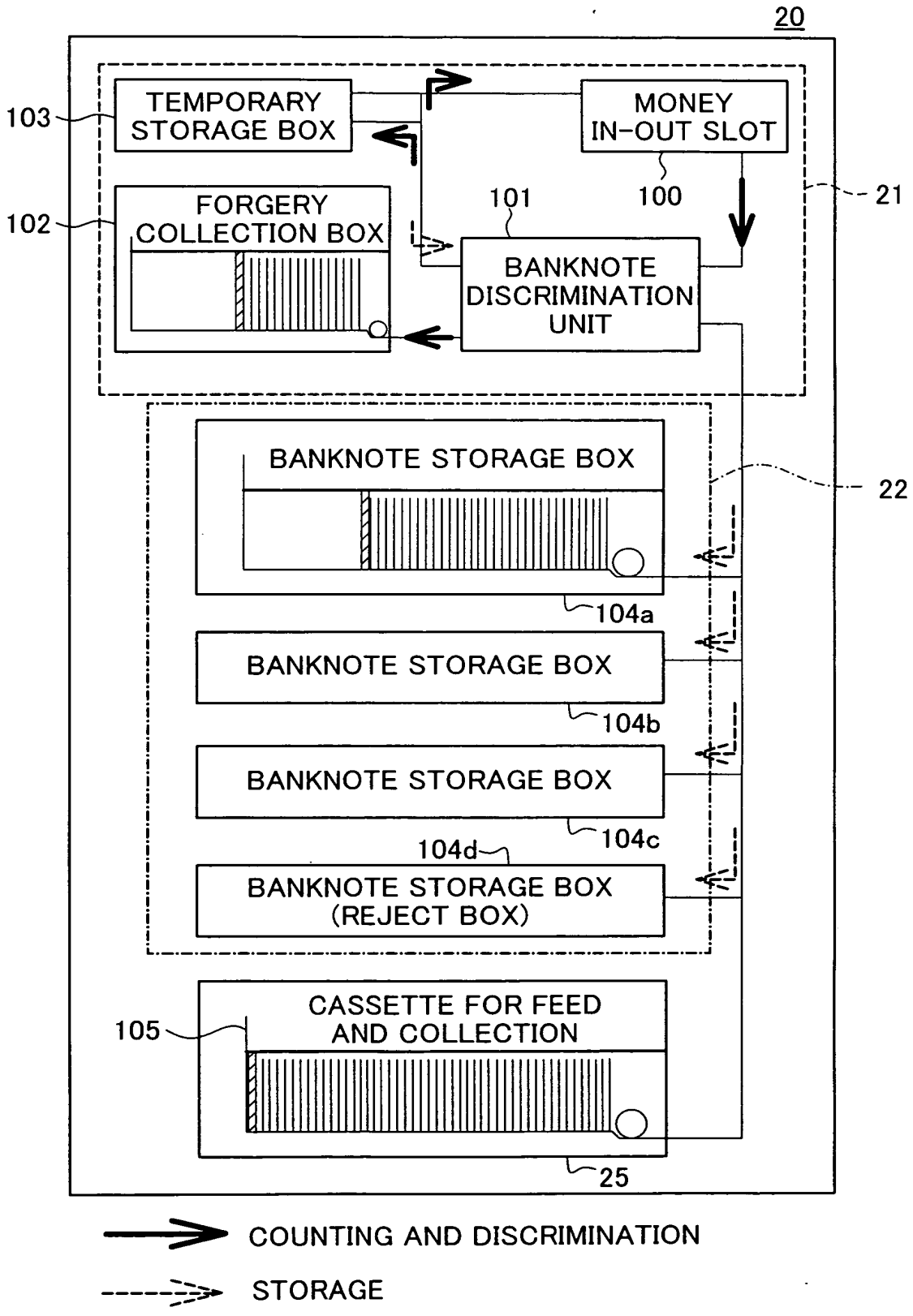

20
TEMPORARY STORAGE BOX
103
MONEY IN-OUT SLOT
100
21
FORGERY COLLECTION BOX
102
101
BANKNOTE DISCRIMINATION UNIT
BANKNOTE STORAGE BOX
22
104a
BANKNOTE STORAGE BOX
104b
BANKNOTE STORAGE BOX
104c
104d
BANKNOTE STORAGE BOX (REJECT BOX)
CASSETTE FOR FEED AND COLLECTION
105
25
COUNTING AND DISCRIMINATION
STORAGE

Fig.3

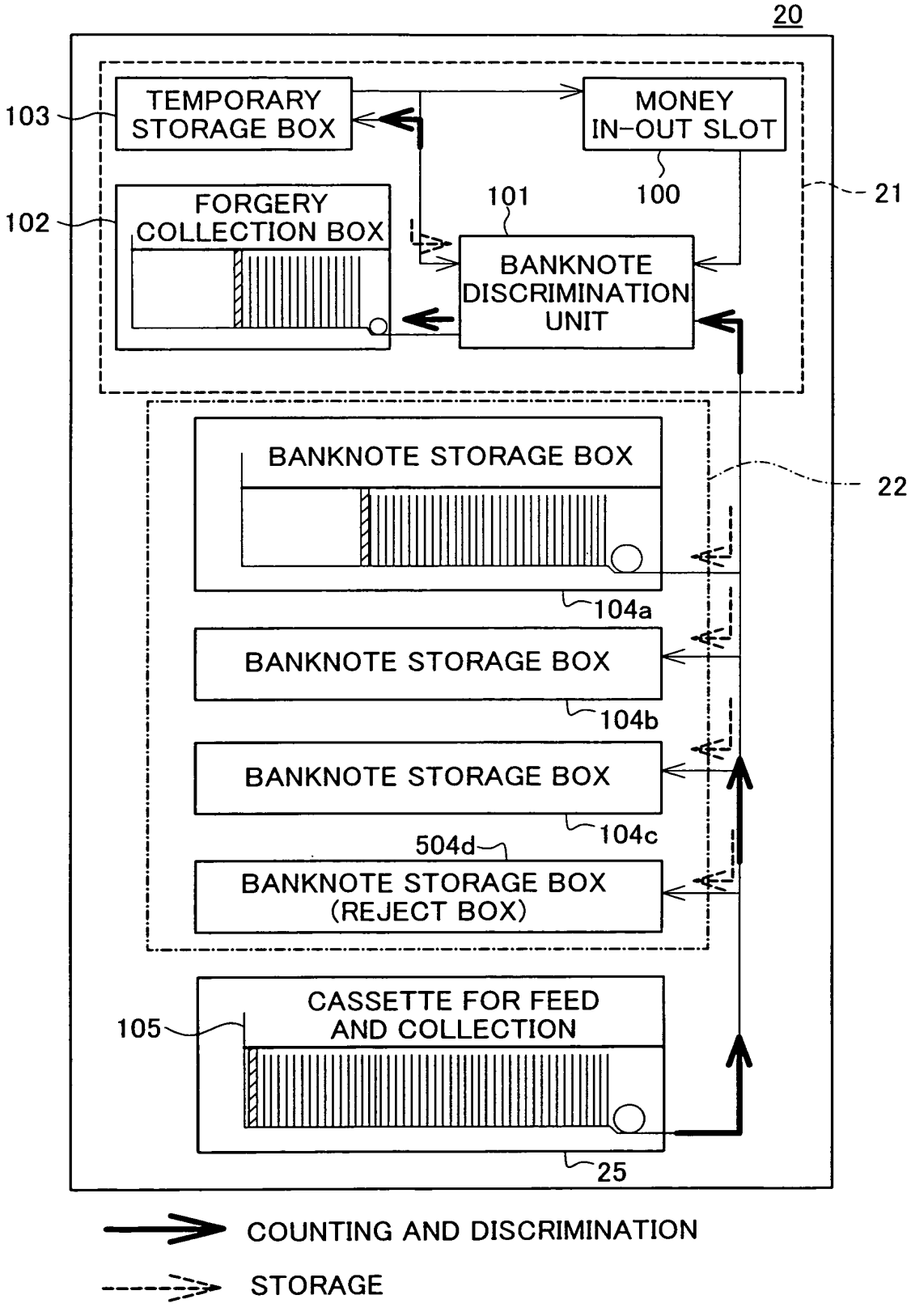

20
TEMPORARY STORAGE BOX
103
MONEY IN-OUT SLOT
100
FORGERY COLLECTION BOX
102
101
BANKNOTE DISCRIMINATION UNIT
21
BANKNOTE STORAGE BOX
22
104a
BANKNOTE STORAGE BOX
104b
BANKNOTE STORAGE BOX
104c
504d
BANKNOTE STORAGE BOX (REJECT BOX)
CASSETTE FOR FEED AND COLLECTION
105
25
COUNTING AND DISCRIMINATION
STORAGE

Fig.4

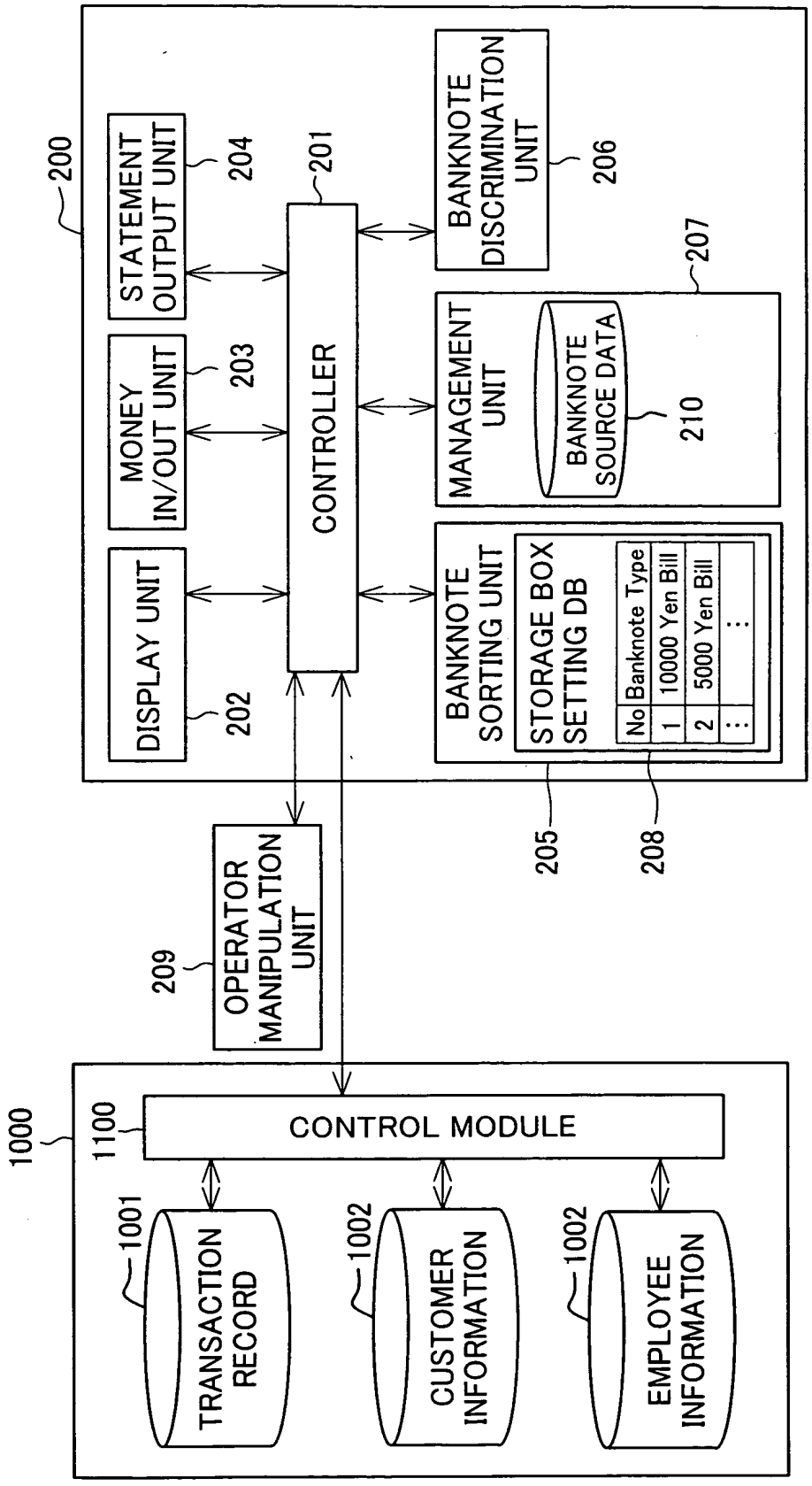

200
DISPLAY UNIT
202
MONEY IN/OUT UNIT
203
STATEMENT OUTPUT UNIT
204
CONTROLLER
201
BANKNOTE DISCRIMINATION UNIT
206
MANAGEMENT UNIT
207
BANKNOTE SOURCE DATA
210
BANKNOTE SORTING UNIT
STORAGE BOX SETTING DB
No
Banknote Type
1
10000 Yen Bill
2
5000 Yen Bill
205
208
OPERATOR MANIPULATION UNIT
209
1000
1100
CONTROL MODULE
1001
TRANSACTION RECORD
1002
CUSTOMER INFORMATION
1002
EMPLOYEE INFORMATION

Fig.5(a)

1001

Transaction Record ID	ATM Number	Type	Account Number	Employee Number	Transaction Date and Time	Amount of Money
1001	6	Deposit	0234567a		2003/02/23 13:02:46	30000
1002	4	Withdrawal	0261536b		2003/02/23 13:20:18	50000
1003	1	Transfer	1035914s		2003/02/23 13:57:00	12000
1004	2	Banknote Feed		2345678	2003/02/23 15:00:20	5687000

Fig.5(b)

1002

Account Number	Name	Postal Address	Telephone Number
0234567a	Jiro Yamamoto	……, Nagoya, Aichi	052XXXXXXX
0261536b	Kazuko Takagi	……, Gifu, Gifu	058XXXXXXX

Fig.5(c)

1003

Employee Number	Name
2345678	Hanako Yamada
0261536	Taro Suzuki

Fig.6

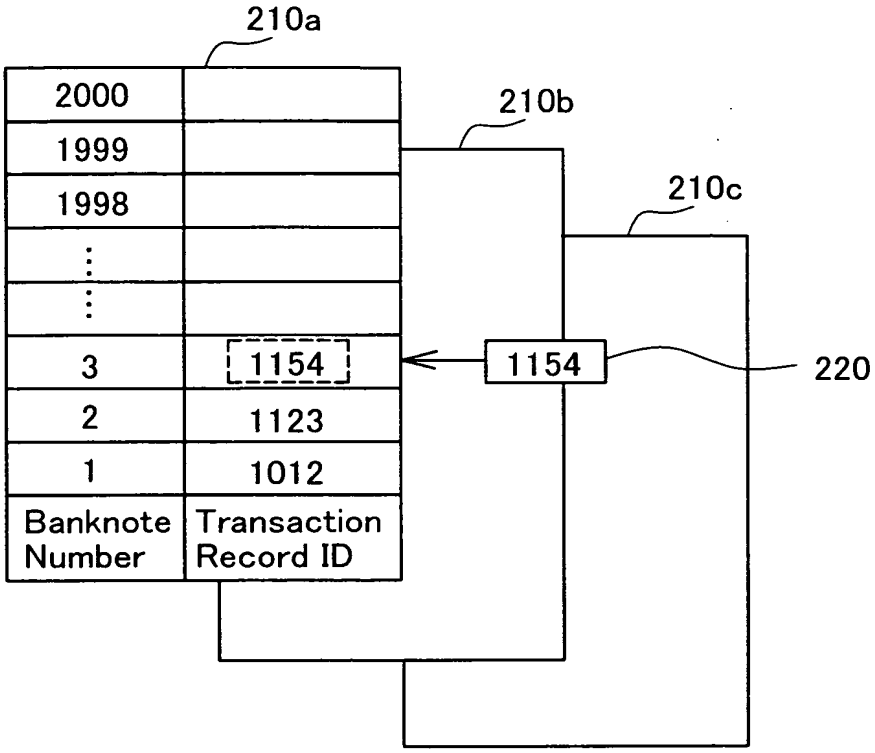

210a
210b
210c
2000
1999
1998
3
1154
2
1123
1
1012
Banknote Number
Transaction Record ID
1154
220

Fig.7

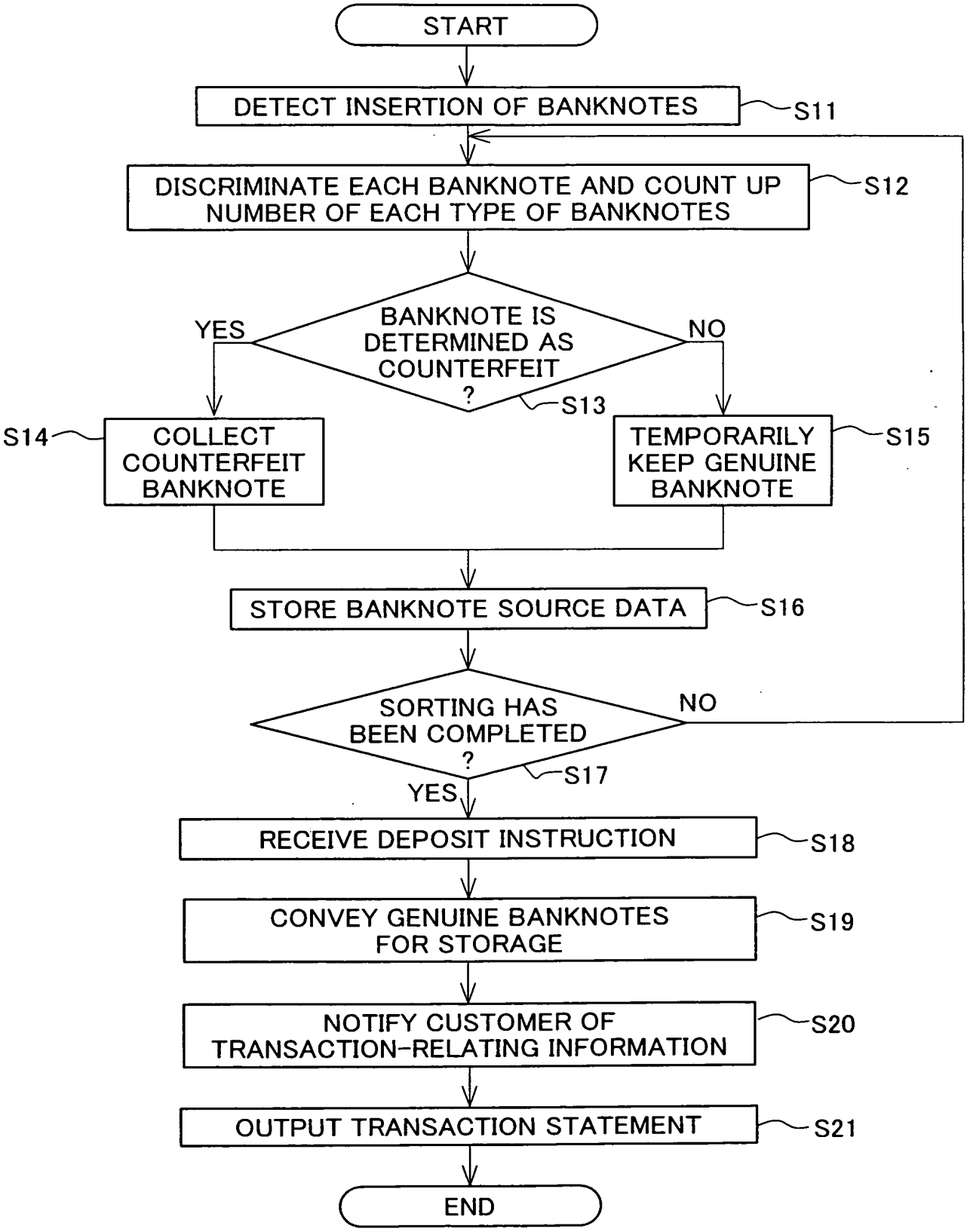

START
DETECT INSERTION OF BANKNOTES
S11
DISCRIMINATE EACH BANKNOTE AND COUNT UP NUMBER OF EACH TYPE OF BANKNOTES
S12
BANKNOTE IS DETERMINED AS COUNTERFEIT ?
S13
YES
NO
S14
COLLECT COUNTERFEIT BANKNOTE
TEMPORARILY KEEP GENUINE BANKNOTE
S15
STORE BANKNOTE SOURCE DATA
S16
SORTING HAS BEEN COMPLETED ?
S17
NO
YES
RECEIVE DEPOSIT INSTRUCTION
S18
CONVEY GENUINE BANKNOTES FOR STORAGE
S19
NOTIFY CUSTOMER OF TRANSACTION-RELATING INFORMATION
S20
OUTPUT TRANSACTION STATEMENT
S21
END

Fig.8

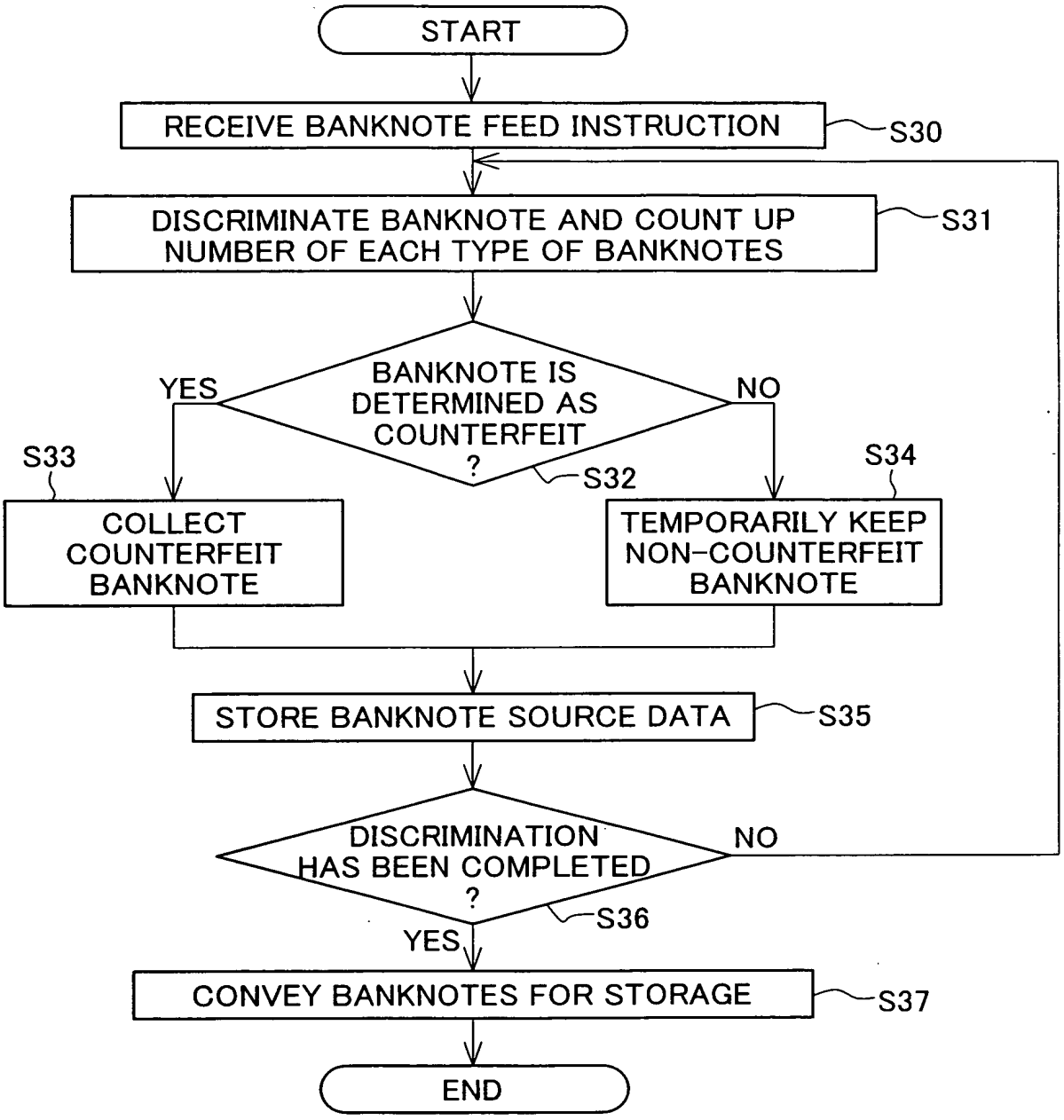

START
RECEIVE BANKNOTE FEED INSTRUCTION
S30
DISCRIMINATE BANKNOTE AND COUNT UP NUMBER OF EACH TYPE OF BANKNOTES
S31
BANKNOTE IS DETERMINED AS COUNTERFEIT ?
S32
YES
NO
S33
S34
COLLECT COUNTERFEIT BANKNOTE
TEMPORARILY KEEP NON-COUNTERFEIT BANKNOTE
STORE BANKNOTE SOURCE DATA
S35
DISCRIMINATION HAS BEEN COMPLETED ?
S36
NO
YES
CONVEY BANKNOTES FOR STORAGE
S37
END

Fig.9

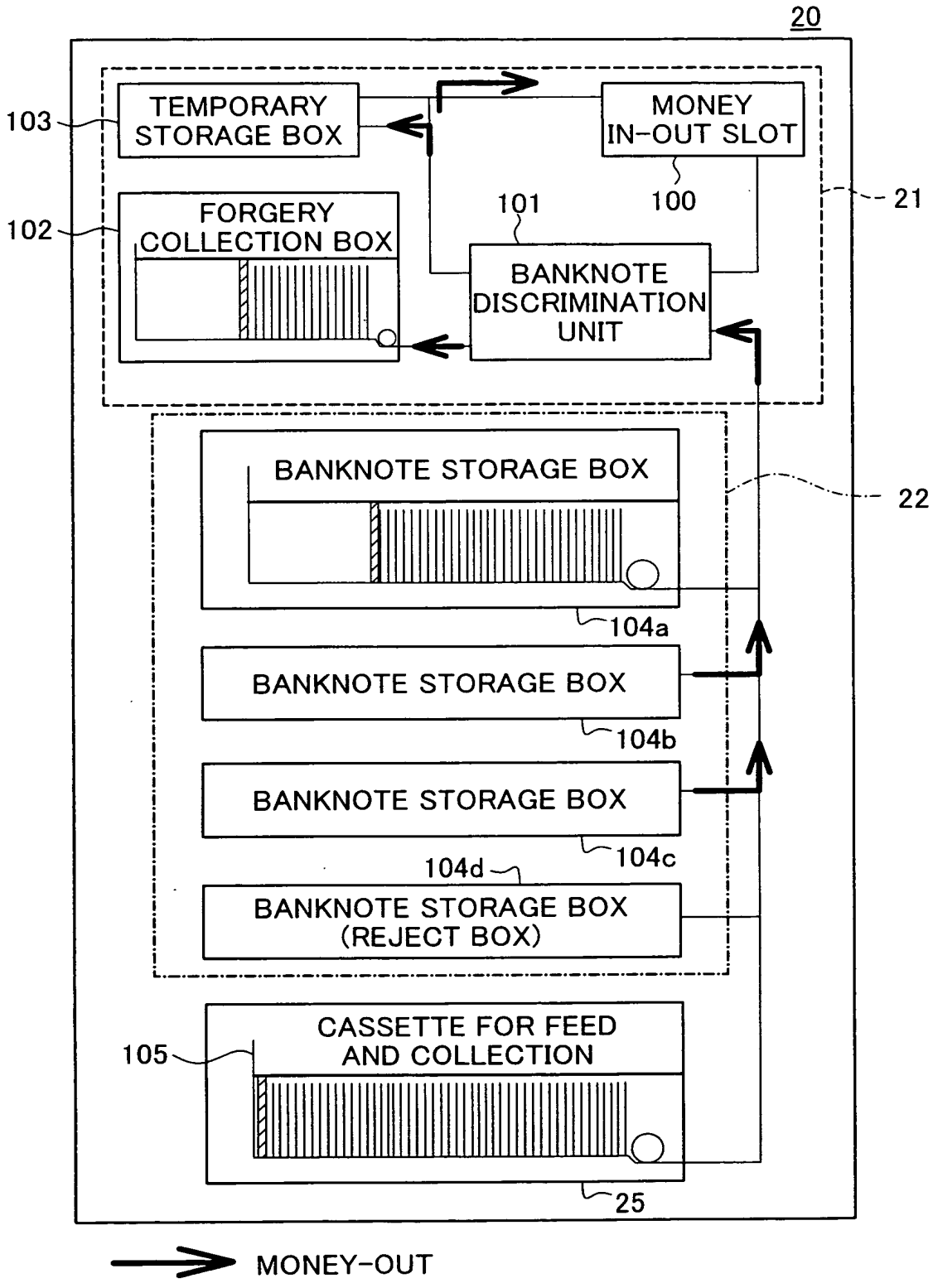

20
TEMPORARY STORAGE BOX
103
MONEY IN-OUT SLOT
100
FORGERY COLLECTION BOX
102
101
BANKNOTE DISCRIMINATION UNIT
21
BANKNOTE STORAGE BOX
22
104a
BANKNOTE STORAGE BOX
104b
BANKNOTE STORAGE BOX
104c
104d
BANKNOTE STORAGE BOX (REJECT BOX)
CASSETTE FOR FEED AND COLLECTION
105
25
MONEY-OUT

Fig.10

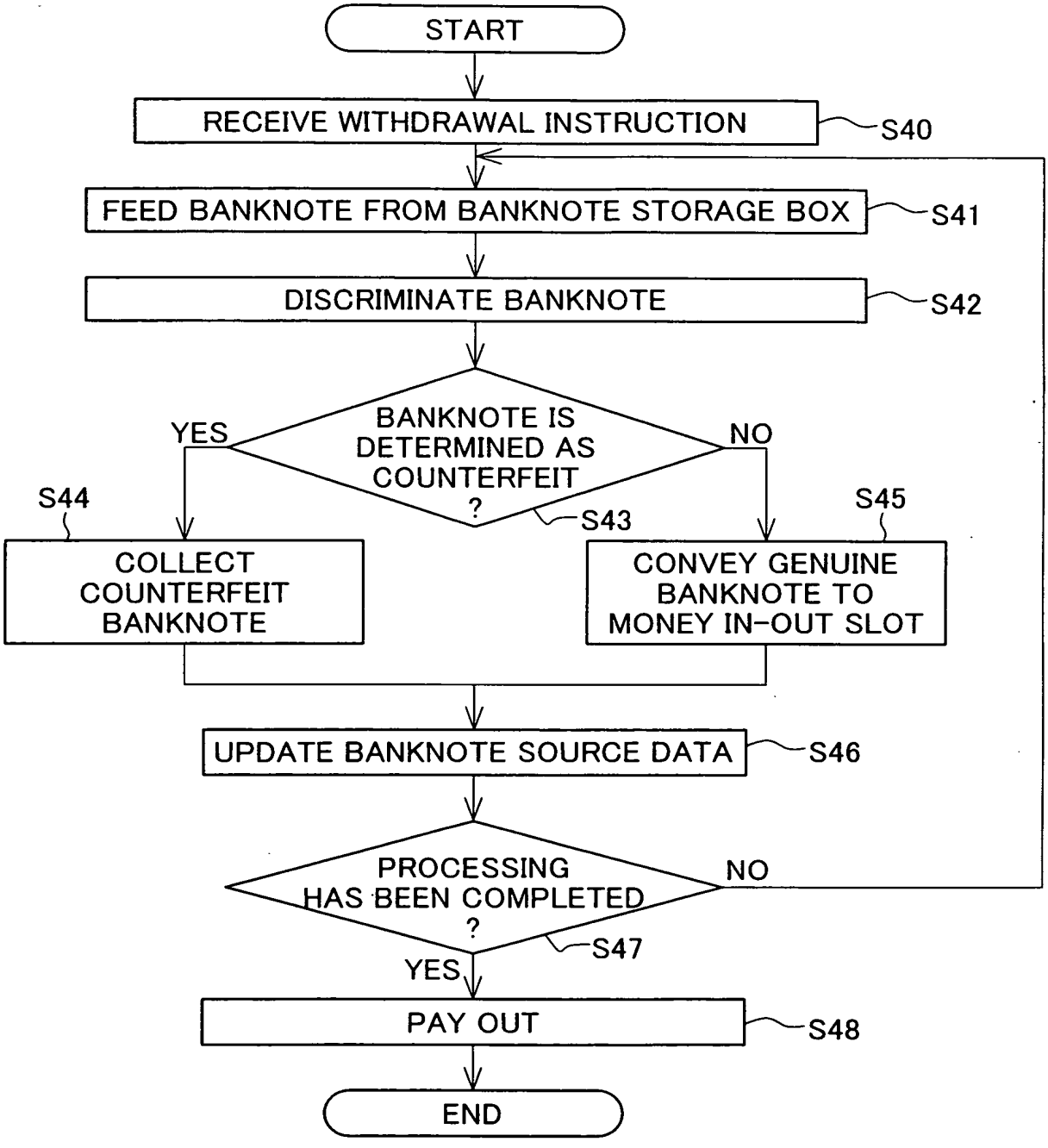

START
RECEIVE WITHDRAWAL INSTRUCTION
S40
FEED BANKNOTE FROM BANKNOTE STORAGE BOX
S41
DISCRIMINATE BANKNOTE
S42
BANKNOTE IS DETERMINED AS COUNTERFEIT ?
S43
YES
NO
S44
COLLECT COUNTERFEIT BANKNOTE
S45
CONVEY GENUINE BANKNOTE TO MONEY IN-OUT SLOT
UPDATE BANKNOTE SOURCE DATA
S46
PROCESSING HAS BEEN COMPLETED ?
S47
NO
YES
PAY OUT
S48
END

Fig.11

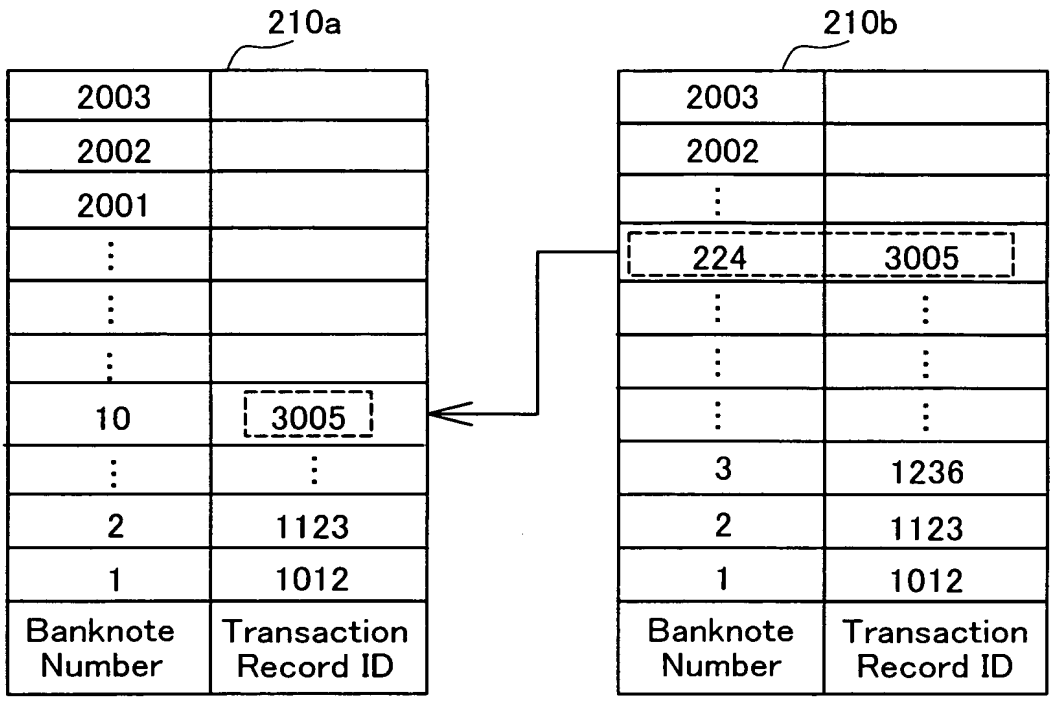

210a
2003
2002
2001
10
3005
2
1123
1
1012
Banknote Number
Transaction Record ID
210b
2003
2002
224
3005
3
1236
2
1123
1
1012
Banknote Number
Transaction Record ID

Fig.12

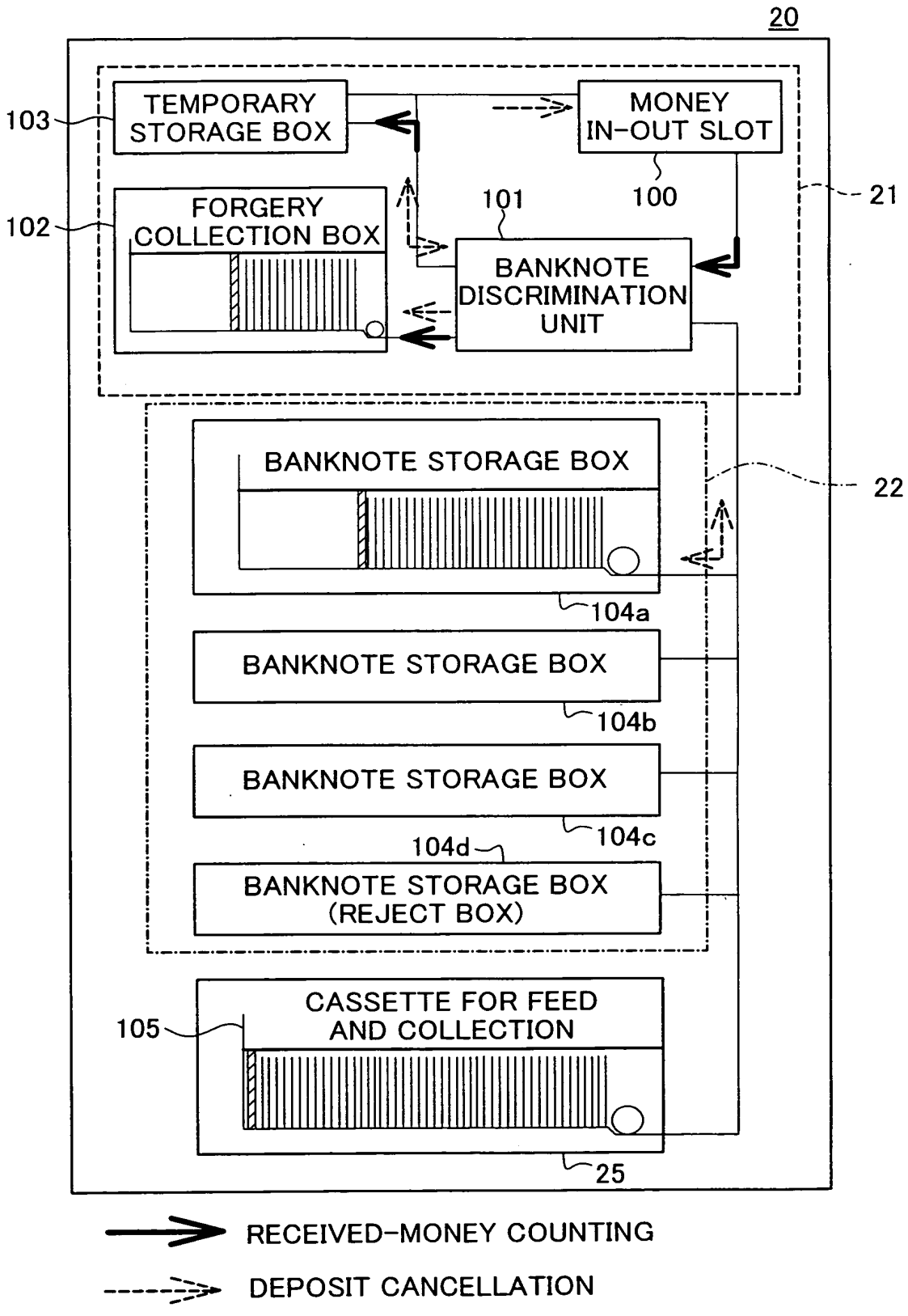
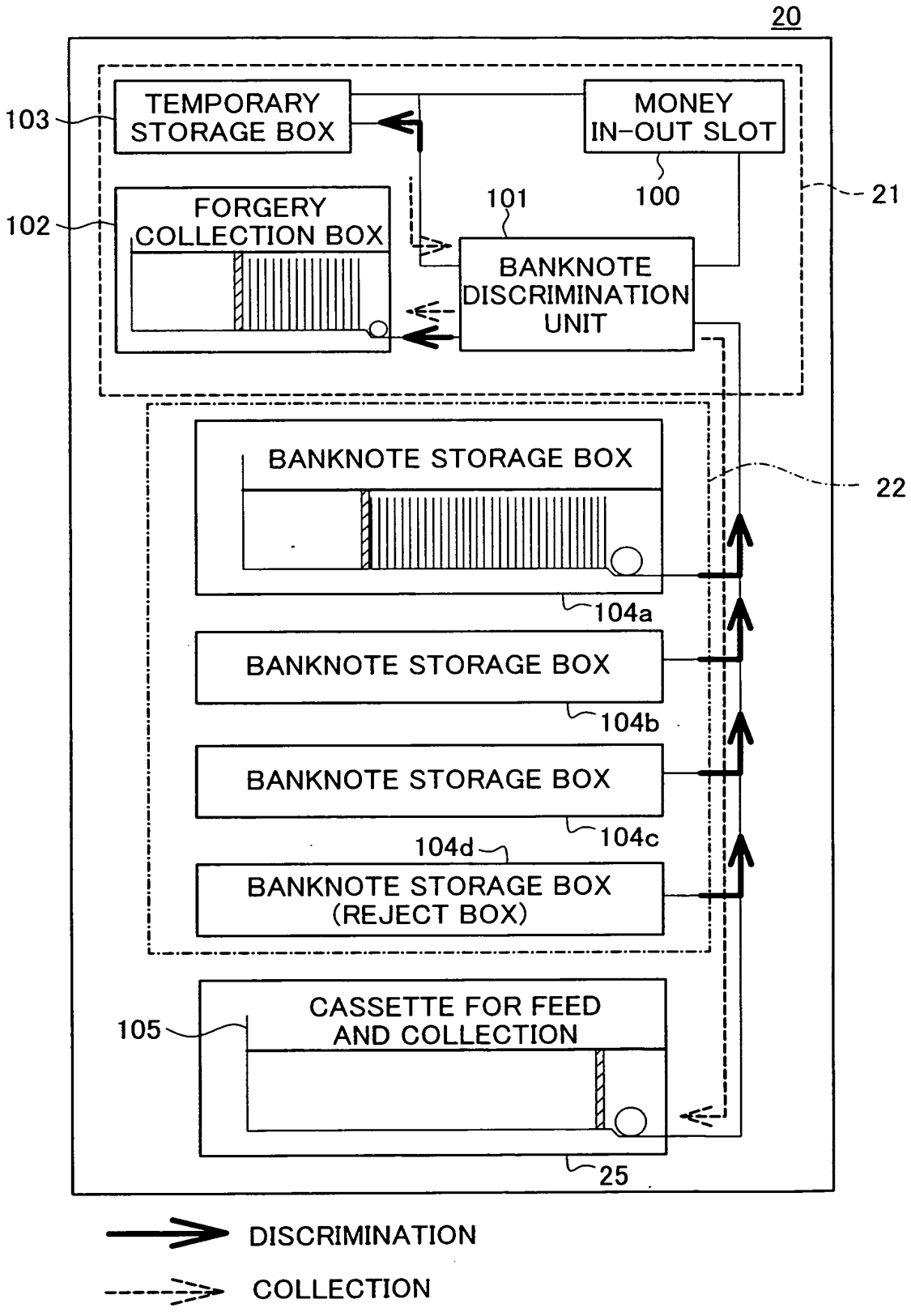

20
TEMPORARY STORAGE BOX
103
MONEY IN-OUT SLOT
100
FORGERY COLLECTION BOX
102
101
BANKNOTE DISCRIMINATION UNIT
21
BANKNOTE STORAGE BOX
22
104a
BANKNOTE STORAGE BOX
104b
BANKNOTE STORAGE BOX
104c
104d
BANKNOTE STORAGE BOX (REJECT BOX)
CASSETTE FOR FEED AND COLLECTION
105
25
RECEIVED-MONEY COUNTING
DEPOSIT CANCELLATION

Fig.13


20
TEMPORARY STORAGE BOX
103
MONEY IN-OUT SLOT
100
FORGERY COLLECTION BOX
102
101
BANKNOTE DISCRIMINATION UNIT
21
BANKNOTE STORAGE BOX
22
104a
BANKNOTE STORAGE BOX
104b
BANKNOTE STORAGE BOX
104c
104d
BANKNOTE STORAGE BOX (REJECT BOX)
CASSETTE FOR FEED AND COLLECTION
105
25
DISCRIMINATION
COLLECTION